

LISTING OF THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claims 1-26 (Cancelled).

27. (Previously Presented) A system-on-panel typed liquid crystal display device, comprising:

a first glass substrate including at least first, second and third regions;

a pixel array including a switching device and a pixel electrode in the first region of the first substrate;

a driver circuit in the second region of the first substrate;

a controller unit in the third region of the first substrate, wherein the pixel array, driver circuit and controller unit are integrally located on the first substrate, and wherein the controller unit includes an active layer in which silicon grains have a length beyond a single-pulse lateral growth distance;

a passivation layer over the pixel array, driver circuit and controller unit;

a second substrate substantially parallel to the first substrate; and

liquid crystal between the first and second substrates.

28. (Previously Presented) The system-on-panel typed liquid crystal display of claim 27, wherein the controller unit includes an active layer formed of single crystalline silicon.

29. (Previously Presented) The system-on-panel typed liquid crystal display of claim 27, wherein the pixel array has an active layer formed on single crystalline silicon.

30. (Previously Presented) The system-on-panel typed liquid crystal display of claim 27, wherein the driver circuit has an active layer formed of polycrystalline silicon.

31. (Previously Presented) The system-on-panel typed liquid crystal display of claim 27, wherein the pixel array has an active layer formed of polycrystalline silicon.

32. (Previously Presented) The system-on-panel typed liquid crystal display of claim 27, wherein the pixel array has an active layer formed of amorphous silicon.

33. (Previously Presented) The system-on-panel typed liquid crystal display of claim 27, wherein the controller unit includes a central processing unit.

34. (Previously Presented) The system-on-panel typed liquid crystal display of claim 27, wherein the driver circuit has an active layer formed of single crystalline silicon.